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German Southwest Africa

KUNTZ, J. Die Owatschimba im nördlichen Kaokofeld (Deutsch-Südwestafrika). Ills. *Pet. Mitt.*, Vol. 58, 1912, Okt.-Heft, p. 206.

MARTIN, C. Sud-Ouest. *L'Afrique Franç.*, Vol. 22, 1912, No. 10, pp. 421-423.

Italian Somaliland

BALDACCI, A. La Somalie Italienne. *Rev. Écon. internat.*, Vol. 3, 1911, No. 3, pp. 514-543. Brussels.

CUFINO, L. Il commercio della Somalia Italiana. *L'Esploraz. Commerc.*, Vol. 27, 1912, Fasc. 4, pp. 128-133. Milan.

Morocco and Tripoli

LOIR, A. Les indigènes de la Tripolitaine. *Bull. Soc. Géogr. de Lille*, Vol. 58, 1912, No. 9, pp. 133-140.

SCHNELL, P. Zur Kartographie Nordmarokkos. Maps. *Pet. Mitt.*, Vol. 58, 1912, Okt.-Heft, pp. 194-197.

— L'Aube du Protectorat Marocain. Maps, ills. *L'Afrique Franç.*, Vol. 22, 1912, No. 9, pp. 347-366.

— L'opera della civiltà italiana nella Libia. *Boll. Soc. Afric. d'Ital.*, Vol. 31, 1912, Fasc. 5-6, pp. 134-140.

Union of South Africa

RASTALL, R. H. Geology of Worcester, Robertson, and Ashton Districts (Cape Colony). Maps. Reprint from *Quart. Journ. Geol. Soc.*, Vol. 67, 1911, pp. 701-732.

— Annual Report, Mines Dept. Union of South Africa. Part 1 and 2. 135 pp. 37 tables. Ills. Pretoria, 1912.

NEW MAPS

EDITED BY THE ASSISTANT EDITOR

MAPS ISSUED BY UNITED STATES GOVERNMENT BUREAUS**U. S. GEOLOGICAL SURVEY***Topographic Sheets**(Including Combined and Special Topographic Maps)*

Arizona. (a) Flagstaff Quadrangle. Surveyed in 1907 and 1908. 1:125,000. 35°30' - 35°0' N.; 112°0' - 111°30' W. Contour interval 100 ft. Edition of June 1912.

(b) Roosevelt Quad. Surveyed in 1905-1907. 1:125,000. 34°0' - 33°30' N.; 111°30' - 111°0' W. Interval 100 ft. Edit. of Aug. 1912.

Arkansas. Hot Springs and Vicinity. Surveyed in 1896, revised in 1910-11. 1:62,500. 34°37' 57" - 34°22' 57" N.; 93°10' 47" - 92°55' 47" W. Interval 20 ft. Edit. of Aug. 1912.

[Comparison with the edition of April, 1898, brings out well the improvement in methods of topographic mapping since that time.]

California. (a) Buena Vista Lake Quad. Surveyed in 1907-1908-1910. 1:125,000. 35°30' - 35°0' N.; 119°30' - 119°0' W. Interval 100 ft. Edit. of Aug. 1912.

(b) Coalinga Quad. Surveyed in 1908 and 1910. 1:125,000. 36°30' - 36°0' N.; 120°30' - 120°0' W. Interval 100 ft. Edit. of July 1912.

(c) Mariposa Quad. Surveyed in 1909-1910. 1:125,000. 37°30' - 37°0' N.; 120°0' - 119°30' W. Interval 100 ft. Edit. of July 1912.

(d) Nord Quad. Surveyed in 1910. 1:31,680. $39^{\circ}52'30''$ - $39^{\circ}45'0''$ N.; $122^{\circ}0'0''$ - $121^{\circ}52'30''$ W. Interval 5 ft. Edit. of Aug. 1912.

[One of the two-inches-to-the-mile sheets of the Sacramento Valley.]

Illinois. Canton Quad. Surveyed in 1910. 1:62,500. $40^{\circ}45'$ - $40^{\circ}30'$ N.; $90^{\circ}15'$ - $90^{\circ}0'$ W. Interval 20 ft. Edit. of Aug. 1912.

[Wooded areas shown in green.]

Maryland-Pennsylvania. Hagerstown Quad. Surveyed in 1908-1910. 1:62,500. $39^{\circ}45'$ - $39^{\circ}30'$ N.; $77^{\circ}45'$ - $77^{\circ}30'$ W. Interval 20 ft. Edit. of June 1912.

[Wooded areas shown in green.]

Maryland-Virginia. Point Lookout Quad. Surveyed in 1890; culture revised in 1900. 1:62,500. $38^{\circ}15'$ - $38^{\circ}0'$ N.; $76^{\circ}30'$ - $76^{\circ}15'$ W. Interval 20 ft. Edit. of Sept. 1912.

Montana. Zurich Quad. Surveyed in 1902 and 1909. 1:125,000. $49^{\circ}0'$ - $48^{\circ}30'$ N.; $109^{\circ}30'$ - $109^{\circ}0'$ W. Interval 20 ft. Edit. of Aug. 1912.

[Southern half reduced from Chinook and Yantic sheets, 1:62,500.]

New Mexico. (a) Magdalena District. Surveyed in 1910. 1:12,000. $34^{\circ}7'0''$ - $34^{\circ}3'15''$ N.; $107^{\circ}13'0''$ - $107^{\circ}10'45''$ W. Interval 25 ft. Edit. of Sept. 1912.

(b) Mogollon Quad. Surveyed in 1909-1910. 1:125,000. $33^{\circ}30'$ - $33^{\circ}0'$ N.; $109^{\circ}0'$ - $108^{\circ}30'$ W. Interval 100 ft. Edit. of June 1912.

Ohio. (a) Carrollton Quad. Surveyed in 1910. 1:62,500. $40^{\circ}45'$ - $40^{\circ}30'$ N.; $81^{\circ}15'$ - $81^{\circ}0'$ W. Interval 20 ft. Edit. of June 1912.

(b) Columbus Quad. Surveyed in 1899, 1901 and 1902. 1:125,000. $40^{\circ}15'$ - $39^{\circ}45'$ N.; $83^{\circ}15'$ - $82^{\circ}45'$ W. Interval 20 ft. Edit. of Aug. 1912.

[Reduced from Dublin, East Columbus, West Columbus and Westerville sheets, 1:62,500.]

(c) Oak Hill Quad. Surveyed in 1910. 1:62,500. $39^{\circ}0'$ - $38^{\circ}45'$ N.; $82^{\circ}45'$ - $82^{\circ}30'$ W. Interval 20 ft. Edit. of June 1912.

[On sheets (a) and (c) wooded areas in green.]

Pennsylvania. McCalls Ferry Quad. Surveyed in 1910. 1:62,500. $40^{\circ}0'$ - $39^{\circ}45'$ N.; $76^{\circ}30'$ - $76^{\circ}15'$ W. Interval 20 ft. Edit. of June 1912.

[Wooded areas in green.]

Washington. Moses Lake Quad. Surveyed in 1910. 1:62,500. $47^{\circ}15'$ - $47^{\circ}0'$ N.; $119^{\circ}30'$ - $119^{\circ}15'$ W. Interval 25 ft. Edit. of Aug. 1912.

West Virginia. (a) Bald Knob Quad. Surveyed in 1910. 1:62,500. $38^{\circ}0'$ - $37^{\circ}45'$ N.; $81^{\circ}45'$ - $81^{\circ}30'$ W. Interval 50 ft. Edit. of July 1912.

(b) Holden Quad. Surveyed in 1910. 1:62,500. $38^{\circ}0'$ - $37^{\circ}45'$ N.; $82^{\circ}15'$ - $82^{\circ}0'$ W. Interval 50 ft. Edit. of Sept. 1912.

(c) Portions of Matewan and Williamson Quads. 1:62,500. $37^{\circ}45'$ - $37^{\circ}31'30''$ N.; $82^{\circ}20'$ - $82^{\circ}0'$ W. Interval 50 ft. Edit. of Sept. 1912.

[On all three sheets wooded areas in green. Kentucky portion of map (c) left blank.]

UNITED STATES—CANADA. North America. 1:1,000,000. [Sheet] North K 19: Boston. 44° - 40° N.; 72° - 66° W. 14 colors. U. S. Geological Survey, Washington, Feb. [Oct.] 1912. 40 cents.

[For detailed comment on this first sheet completed of the U. S. portion of the International Map of the World (preliminary proof listed in *Bull.* under the same entry, Vol. 44, No. 5, 1912, p. 399), see the Nov. *Bull.*, pp. 842-844.]

NORTH AMERICA

CANADA

CANADA. Grenzerweiterungen der Provinzen Quebec, Ontario, und Manitoba in Kanada. 1:25,000,000. 65° - 40° N.; 103° - 55° W. Accompanies note on "Die erweiterten Provinzen von Kanada" by H. Wichmann, *Pet. Mitt.*, Vol. 58, I, June, 1912, p. 319.

[Shows changes in boundaries of Manitoba, Ontario and Quebec according to the law passed on March 27 and 28, 1912, which gave Manitoba access to Hudson Bay and apportioned the respective parts of Keewatin and Ungava to Ontario and Quebec.]

UNITED STATES

ALASKA. (a) Gletscher des unteren Kupferflusses (Alaska). Von Prof. Lawrence Martin. 1:65,000. [$60^{\circ}50' - 60^{\circ}38' \text{ N.}; 144^{\circ}52' - 144^{\circ}27' \text{ W.}$] Oriented N. 21° E. 3 colors. With inset: Das Gebiet des Kupferflusses. Nach der "Karte von Alaska" in "Peterm. Mitteilungen," 1907, Tafel 1. 1:5,000,000. [$64^{\circ} - 59^{\circ} \text{ N.}; 149^{\circ} - 139^{\circ} \text{ W.}$] 3 colors.

(b) Tiefenkarte von Port Wells (Prinz-William-Sund). 1:126,720. [$61^{\circ} \text{ N. and } 148^{\circ} 10' \text{ W.}$]

Accompany, as Taf. 9 and on p. 148, respectively, "Gletscheruntersuchungen längs der Küste von Alaska" by L. Martin, *Pet. Mitt.*, Vol. 58, II, Aug. and Sept., 1912, pp. 78-81 and pp. 147-149.

ILLINOIS. Provisional Geologic Map of Illinois. 1:500,000. 12 colors. State Geological Survey [Urbana, Ill.], 1912.

[Fundamental geological map of the state. Geology superimposed on base map of Illinois listed in *Bull.*, Vol. 44, No. 5, 1912, p. 399. Columnar and cross sections added; also outline of the geological history of Illinois.]

MEXICO

MEXICO. [Five state maps, 1:1,000,000, entitled:] (1) Map of the State of Sinaloa, Mexico. Compiled by H. A. Horsfall, New York City. 1912. $27\frac{1}{3}^{\circ} - 21\frac{2}{3}^{\circ} \text{ N.}; 110^{\circ} - 104^{\circ} \text{ W.}$ 4 colors. (2) — Durango —. 1912. $27\frac{1}{3}^{\circ} - 21\frac{2}{3}^{\circ} \text{ N.}; 107\frac{1}{2}^{\circ} - 102\frac{1}{2}^{\circ} \text{ W.}$ 6 colors. (3) — Coahuila —. 1911. $30^{\circ} - 24\frac{1}{2}^{\circ} \text{ N.}; 104^{\circ} - 99^{\circ} \text{ W.}$ 2 colors. (4) — Chihuahua —. 1911. $32\frac{1}{4}^{\circ} - 24\frac{1}{2}^{\circ} \text{ N.}; 109\frac{1}{2}^{\circ} - 102\frac{1}{2}^{\circ} \text{ W.}$ 5 colors. (5) — Sonora —. (Advance copy, 1913). $33^{\circ} - 25\frac{1}{3}^{\circ} \text{ N.}; 115^{\circ} - 108\frac{2}{3}^{\circ} \text{ W.}$ 5 colors. Published by H. A. Horsfall, Mining Engineer, 69 Wall St., New York, N. Y.

[Maps, valuable because of their large scale, showing mainly the locational element. Relief is roughly indicated by hachuring. The maps are reproduced directly from the original drawings on tracing cloth.]

CENTRAL AMERICA AND WEST INDIES

CUBA. Map of Cuba prepared in the War College Division, General Staff, War Department, Washington, 1911. Based on Military Reconnaissances by the United States Army during the First and Second occupation of Cuba, 1898-1902 and 1906-1909. [1:600,000.] $23^{\circ}30' - 19^{\circ}30' \text{ N.}; 85^{\circ} - 74^{\circ} \text{ W.}$ 2 colors. In two sheets. War Department, Washington, 1911.

[Important map on relatively large scale, in execution similar to the U. S. Geological Survey maps. Distinction made between four kinds of roads; relief in brown contours, interval 50 ft.]

JAMAICA. A part of Jamaica showing the Relation of Earthquake Damage (14th Jan. 1907) to Erosion of Land. 1:750,000. [$18^{\circ}30' - 17^{\circ}45' \text{ N.}; 77^{\circ}20' - 76^{\circ}0' \text{ W.}$]. Accompanies, on p. 301, "On the Cause of the Jamaica Earthquake of January 14, 1907" by V. Cornish, *Geogr. Journ.*, Vol. 40, No. 3, 1912, pp. 299-303.

[Relief in contours; interval 1,000 ft.]

SOUTH AMERICA

CHILE. Karte des südwestlichen Teiles der Provinz Coquimbo in Chile. Aufgenommen von der Oficina de geografia i [*sic*] minas unter Leitung von José del C. Fuenzalida. 1:200,000. $30^{\circ}30' - 31^{\circ}30' \text{ S.}; 71^{\circ}46' - 70^{\circ}50' \text{ W.}$ 7 colors. Taf. 56, "Zur geographischen und geologischen Landesaufnahme der Republik Chile" by J. del C. Fuenzalida and H. Polakowsky, *Pet. Mitt.*, Vol. 58, I, June, 1912, pp. 312-316.

[Valuable large-scale map which forms part of a map entitled "Carta geográfica y minera de la provincia de Coquimbo" engraved and printed by Justus Perthes for the Chilean Oficina de Geografía y Minas. Reliefs is shown in pale and unexpressive shading and in hypsometric coloring in six tints. Distinction is made between railroads in existence and under construction, roads for wheeled traffic and bridle paths, and there are separate symbols for seven kinds of mines.

Of the greater part of the region shown there has been no adequate large-scale map heretofore. Similar maps of the province of Aconcagua and parts of the provinces of Santiago, Valparaiso and Atacama have already been published by this bureau; maps of the provinces of Arauco, Concepcion and Valdivia are in preparation.]

AFRICA

BECHUANALAND-GERMAN SOUTHWEST AFRICA, ETC. Die Kalahari mit ihren Völkern und Handelsrouten. Entworfen von Dr. Rudolf Pöch. 1:2,000,000. 17°-31° S.; 16½°-29¼° E. 1 color. Taf. 2, "Ethnographische und geographische Ergebnisse meiner Kalaharireisen" by R. Pöch, *Pet. Mitt.*, Vol. 58, II, July, 1912, pp. 15-20.

[Important map embodying the results of all previous exploration. Special features are: the delimitation of the Kalahari, the dune region of its southwestern part being specially represented; the careful distinction between dry river beds and perennial rivers, and between constant and transitory springs or "pans"; the designation of the habitat of native tribes; the representation of trade routes through arid districts, and the careful orthography of all geographic names. In addition there are symbols for settlements or villages, mission stations, abandoned places, mines, farms, military and police stations, railroads, territorial and negro reservation boundaries, etc. A list of the sources used in compiling the map is given on p. 18 of the text.]

MOROCCO. (a) Die Hochebenen westlich des Uad Beth [*sic*]. Entworfen und gezeichnet von Prof. Dr. P. Schnell (P. Schnell: Zur Kartographie von Nordmarokko: Blatt II). 1:200,000. 34°23'-33°41' N.; 7°2'-5°58' W. 4 colors.

(b) Übersichtskarte der Peilungen zu Blatt 2: Die Hochebenen westlich des Uad Beht und Blatt 3: El Gharb. (Zur Kartographie Nordmarokkos). Von Prof. Dr. Paul Schnell. 1:300,000. [35°-34° N.; 6°49'-5°7' W.]

Taf. 8, "Zur Kartographie Nordmarokkos: II" and Taf. 21, "Zur Kartographie Nordmarokkos: III" by P. Schnell, *Pet. Mitt.*, Vol. 58, II, 1912, Aug., pp. 75-77 and Sept., pp. 137-142, respectively.

[Continuation of series of maps listed under "Morocco" (first entry), *Bull.*, Vol. 44, No. 2, 1912, p. 157, the eastern limiting meridians of which should there be corrected to read 4°58' W. and 4°57' W., respectively, instead of 40°58' and 40°57'.]

NIGERIA. Northern and Southern Nigeria to illustrate the paper by C. L. Temple, C.M.G. 1:5,000,000. 14°30'-4°0' N.; 2°0'-15°30' E. 1 color. Accompanies "Northern Nigeria" by C. L. Temple, *Geogr. Journ.*, Vol. 40, No. 2, 1912, pp. 149-168.

[Outline map showing drainage, railroad and telegraph lines and the author's route.]

ASIA

ARABIA. B. Raunkiaers Reiseweg im nordöstlichen Arabien. 1:7,500,000. 31°-24° N.; 44°-50½° E. Accompanies, on p. 85, "Die Expedition der kgl. Dänischen Geographischen Gesellschaft nach Arabien" by B. Raunkiaer, *Pet. Mit.*, Vol. 58, II, Aug., 1912, pp. 84-85.

[Route of expedition reported in Sept. *Bull.* (Vol. 44, No. 9, 1912), pp. 657-660.]

INDIA. Panjkora Kohistan. Sketch Map to Illustrate the Route of Lieut. Colonel S. H. Godfrey, C.I.E., 1908. 1:500,000. 35°36'-35°6' N.; 71°45'-72°27' E. With inset: 1:3,000,000. 36°6'-34°0' N.; 71°-73° E. Accompanies, on p. 47, "A Summer Exploration in the Panjkora Kohistan" by S. H. Godfrey, *Geogr. Journ.*, Vol. 40, No. 1, 1912, pp. 45-57.

[Route, hitherto untrodden by a European, lay up the Panjkora River, which occupies the second parallel valley to the west of the Indus at the bend where it breaks through the Himalayas. Relief in wash.]

INDIA. Northern Sikkim. To illustrate the paper by Dr. A. M. Kellas. 1:300,000. 28°8'-27°33' N.; 88°-89° E. 2 colors. With inset showing loca-

tion of main map. Accompanies "The Mountains of Northern Sikkim and Garhwal" by A. M. Kellas, *Geogr. Journ.*, Vol. 40, No. 3, 1912, pp. 241-263.

[Relief in brown wash, glaciers in blue.]

JAPAN. (a) Übersichtskarte von West-Hokkaido. Nach I. Friedländer, Über einige Japanische Vulkane. Mitteilungen der Deutschen Gesellschaft für Natur- und Völkerkunde Ostasiens (XII, 2, 1910). Auf Grundlage der topographischen Karte des Imperial Geological Survey of Japan. 1:762,000. 43°24' - 41°18' N.; 139°12' - 142°2' E. 2 colors.

(b) Kartenskizze des Usu. Nach der Karte von F. Omori und Beobachtungen von I. Friedlaender. 1:18,150. [42°36' N. and 140°48' E.]. 3 colors.

Taf. 51 and 52, "Über den Usu in Hokkaido und über einige andere Vulkane mit Quellkuppenbildung" by I. Friedlaender, *Pet. Mitt.*, Vol. 58, I, June, 1912, pp. 309-312.

[Map (a) shows location of recent volcanoes and hypothetical faults. Map (b) shows explosion craters, fumaroles and springs; relief in contours and shading. Map (b) is based on map listed under "Japan (c)" in *Bull.*, Vol. 43, 1911, pp. 797-798.]

PHILIPPINE ISLANDS. Geologic Reconnaissance Map of Mindanao. Geology by Warren D. Smith. [1:1,000,000]. 10°0' - 5°15' N.; 121°35' - 126°45' E. 4 colors. Should accompany (issued too late for insertion) "Geological Reconnaissance of Mindanao and Sulu: III General and Economic Geology" by W. D. Smith, *Philippine Journ. of Science*, Section A, Vol. 6, No. 5, 1911, pp. 359-395.

[Important map. Differentiates between (1) alluvial, (2) Tertiary sedimentary, (3) extrusive and (4) metamorphic rocks.]

TURKEY IN ASIA. [Three maps entitled:] Reisen in Kurdistan 1910. Nach den eigenen Photographien und Routenaufnahmen konstruiert und gezeichnet von Dr. Heinrich Freiherrn v. Handel-Mazzetti. 1:400,000. 2 colors.

I. Von Urfa über Kjachta nach Malatja und Is Oghlu mit Abstechern auf den Nemrud- und Ak-Dagh. [38°30' - 37°20' N.; 38°9' - 39°0' E.]

II. Von Arghana über Diarbekir, Mejafarkin und das Sassun nach Sert mit Besteigung des Meleto Dagh. 38°33' - 37°30' N.; 39°55' - 42°5' E. With inset: Der Meleto Dagh. 1:125,000. [38°23' N. and 41°33' E.]

III. Die Chaldäerdörfer zwischen Dschesiret-ibm-Omar und Simel. Nach Angaben von Guriel Gorgis Homme aus Schios. 37°22' - 36°43' N.; 42°10' - 43°0' E.

With inset showing location of maps I-III: Übersicht der Reisewege der Mesopotamien-Expedition des Naturwissenschaftlichen Orientvereins in Wien 1910. 1:3,700,000. 39° - 32½° N.; 34½° - 45½° E. 3 colors.

Taf. 17, "Zur Geographie von Kurdistan" by H. Freiherrn v. Handel-Mazzetti, *Pet. Mitt.*, Vol. 58, II, Sept., 1912, pp. 133-137. [Valuable route surveys.]

TURKEY IN ASIA. Lower Mesopotamia. From the latest surveys of Sir William Willcocks, K.C.M.G. 1:3,000,000. 36°0' - 29°45' N.; 39°35' - 49°10' E. 1 color. With inset: [The Near East showing railroads finished and under construction. 1:18,000,000. 44° - 30° N.; 25° - 56° E. 1 color.]. Accompanies "The Garden of Eden and its Restoration" by W. Willcocks, *Geogr. Journ.*, Vol. 40, No. 2, 1912, pp. 129-148.

[Shows proposed works and systems of irrigation; also ancient towns and cities, canals and rivers.]

TURKEY IN ASIA. Sketch Map to Show Approximately Railways in Asiatic Turkey. 1:7,500,000. 43° - 28° N.; 24° - 54° E. 6 colors. (*Geogr. Section of the Gen. Staff, London*), 1911.

[Distinguishes by colors between different railroad systems and by symbols between different gages.]

TURKEY IN ASIA. The Troad. After Kiepert & Philippson with corrections by Walter Leaf. 1:600,000. 40°31' - 39°18' N.; 25°52' - 30°14' E. 3 colors. With inset: [Environs of Mt. Ida]. 1:300,000. 39°55' - 39°30' N.; 26°46' - 27°9' E. 3 colors. Accompanies "Notes on the Troad" by W. Leaf, *Geogr. Journ.*, Vol. 40, No. 1, 1912, pp. 25-45.

[Drainage in blue, relief in brown shading, ancient names in red.]

AUSTRALASIA AND OCEANIA

KAISER WILHELMS LAND. Reise von Finschhafen nach dem Markhamfluss (Kaiser-Wilhelms-Land). Nach dem Routentagebuch von Missionar G. Pilhofer konstruiert von C. Barich. 1:400,000. $5^{\circ}52' - 7^{\circ}4' \text{ S.}$; $146^{\circ}15' - 148^{\circ}2' \text{ E.}$ 3 colors. Taf. 22, "Eine Reise von Finschhafen nach dem Markhamfluss (Deutsch-Neuguinea)" by G. Pilhofer, *Pet. Mitt.*, Vol. 58, II, Sept., 1912, pp. 143-147.

[Important map embodying results of new exploration. Cf. also map listed under same entry, *Bull.*, Vol. 44, No. 1, 1912, p. 79, the limiting parallels of which, however, should there be corrected to read $5^{\circ}52' - 6^{\circ}46' \text{ S.}$]

NEW ZEALAND. (a) Taupo Volcanic Zone. 1:1,250,000. $37^{\circ}30' - 39^{\circ}18' \text{ S.}$; $175^{\circ}36' - 177^{\circ}12' \text{ E.}$ With inset showing trend of Taupo volcanic zone.

(b) Topography of the Tarawera Volcanic Rift soon after the eruption of 1886. 1:80,000. [$38^{\circ}16' \text{ S.}$ and $176^{\circ}30' \text{ E.}$]

(c) Tuhua or Mayor Island, Bay of Plenty. Surveyed by E. C. Goldsmith, 1884. [$37^{\circ}20' \text{ S.}$ and $176^{\circ}15' \text{ E.}$]

Accompany, on pp. 11, 13 and 22, "Some New Zealand Volcanoes" by J. M. Bell, *Geogr. Journ.*, Vol. 40, No. 1, 1912, pp. 8-25.

EUROPE

BRITISH ISLES, ETC. (a) [Three maps of the British Isles, 1:7,500,000, showing the distribution of:] (1) Flat Celts; (2) Beakers; (3) Minerals.

(b) [Two maps of west-central Europe, 1:15,000,000 ($61^{\circ} - 47^{\circ} \text{ N.}$; $11^{\circ} \text{ W.} - 20^{\circ} \text{ E.}$), entitled:] (1) The Principal Settlement Areas of the Beaker People in Britain and on the Continent; (2) The Distribution of Gold Lunulae of the Early Bronze Age.

(c) Map of the Fen District to Show that Flat Celts and Beakers are Most Frequent Where the "Shore-Line" is of Bare Chalk. 1:750,000. [$53^{\circ}10' - 51^{\circ}50' \text{ N.}$; $0^{\circ}30' \text{ W.} - 0^{\circ}45' \text{ E.}$]

Accompany, as Figs. 2, 4, 9, 6, 8 and 5, "The Distribution of Early Bronze Age Settlements in Britain" (first part) by O. G. S. Crawford, *Geogr. Journ.*, Vol. 40, No. 2, 1912, pp. 184-203.

GERMANY. Tiefenkarte des Goplo-Sees (Preussischer Anteil). Aufgenommen von Dr. Hermann Schütze. 1:50,000. [$52^{\circ}43' - 52^{\circ}32' \text{ N.}$; $18^{\circ}17' - 18^{\circ}25' \text{ E.}$] 9 colors. Taf. 1, "Der Goplosee" by H. Schütze, *Pet. Mitt.*, Vol. 58, II, July, 1912, pp. 11-15.

[Similar in treatment to maps listed under "Germany (b)" (first entry), *Bull.*, Vol. 44, No. 8, 1912, p. 639.]

SCOTLAND. Map of the Glacieluvial Kame near Polmont. 1:25,000. [56° N. and $3^{\circ}43' \text{ W.}$]. Accompanies, on p. 171, "The Relations of Kames and Eskers" by J. W. Gregory, *Geogr. Journ.*, Vol. 40, No. 2, 1912, pp. 169-175.

SPAIN. Estadística de Obras Publicas. 1^o de Enero de 1912. 1:1,000,000. $44^{\circ} - 35\frac{3}{4}^{\circ} \text{ N.}$; $9\frac{3}{4}^{\circ} \text{ W.} - 4\frac{3}{4}^{\circ} \text{ E.}$ 3 colors. With inset: Islas Canarias. [1:1,000,000]. $29\frac{1}{2}^{\circ} - 27\frac{1}{2}^{\circ} \text{ N.}$; $18\frac{1}{4}^{\circ} - 13\frac{1}{3}^{\circ} \text{ W.}$ 2 colors. Dirección General de Obras Publicas, Madrid (1912).

[Large-scale map showing all wagon roads (divided into five classes), railroads (both standard and narrow gage), mine railways, tramways, canals, reservoirs and lighthouses (with their range) in Spain.]

WORLD AND LARGER PARTS

NORTHERN HEMISPHERE. [Isogonenkarte der Nordhemisphäre für die Epoche 1500]. [Mercator projection; equatorial scale 1:140,000,000]. $70^{\circ} \text{ N.} - 0^{\circ}$; $110^{\circ} \text{ W.} - 120^{\circ} \text{ E.}$ Accompanies on p. 20 "Die erdmagnetische Deklination um das Jahr 1500" by H. Fritsche, *Pet. Mitt.*, Vol. 58, II, July, 1912, pp. 20-21.

[Cf. similar map by Nansen listed under "Oceanographical" in *Bull.*, Vol. 44, No. 3, 1912, p. 240.]

NORTHWESTERN EUROPE AND GREENLAND. Das skandische Senkungsgebiet mit Randhebungscentren. Entworfen von Prof. Dr. Gerard De Geer. 1:8,000,000. 86° - 54° N.; 75° W. - 75° E. 8 colors. Taf. 16, "Kontinentale Niveauveränderungen im Norden Europas" by G. De Geer, *Pet. Mitt.*, Vol. 58, II, Sept., 1912, pp. 121-125.

[Illuminating map illustrating the relation of the depressed area of the "Scandinavian Sea" to the surrounding regions of uplift. By "Scandinavian Sea," for which the shorter term "The Scandic" is also suggested, is meant the basin enclosed between Greenland and Scandinavia on the N. W. and S. E. and between the Northeast Foreland-Spitzbergen ridge together with the western edge of the shelf of the Barents Sea, on the N. E., and the Iceland-Faroe ridge together with the northern edge of the shelf of the North Sea, on the S. W.]

Isobaths are shown with an interval of 500 meters. For Fenno-Scandia "eo-hypsals" (i. e., the generalized contours of the Tertiary surface) having the same interval and isobasals (lines of equal uplift) are given. There are additional symbols showing Quaternary and Tertiary eruptives, centers of uplift, fiord topography and faults.]

PACIFIC OCEAN. Die Massnahmen der Rand-Grossstaaten des Grossen Ozeans zu seiner Beherrschung. [Mercator projection: equatorial scale 1:100,000,000] 80° N. - 60° S.; 105° E. - 60° W. 4 colors. With inset: Die Insel Palmyra als nord-amerikanische Kohlenstation. 1:75,000. [5°52' N. and 160°5' W.]. 2 colors. Taf. 15, "Die Insel Palmyra und der Panamakanal" by H. Wichmann, *Pet. Mitt.*, Vol. 58, II, Aug., 1912, pp. 118-120.

[The main map shows the comparative distances between Panama and Manila via Honolulu, Palmyra Island and Pago Pago, and the relationship of present and possible future British, American and Japanese coaling stations in the Pacific, in consequence of the reported annexation of Palmyra Island for the United States by Rear Admiral Southerland.]

CARTOGRAPHICAL

Neue geomorphologische Kartendarstellung einer Ideallandschaft. Entworfen von Dr. Hans Gehne. 7 colors. Taf. 13, "Eine neue Methode geomorphologischer Kartendarstellung" by H. Gehne, *Pet. Mitt.*, Vol. 58, II, Aug., 1912, pp. 72-73.

[Illustrates a new method of physiographic mapping similar to that recently suggested by Passafge in his "Physiologische Morphologie" (*Mitt. geogr. Gesell. Hamburg*, Vol. 26, 1912, pp. 133-337). Hachures of different colors, based upon the usual contours, are used to represent specific geological horizons or strata physiographically a unit. Areal colors are used to denote erosional forms, identity of color indicating equality of age.]

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